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		Application Number	10/616,873
TRANSMITT	AL	Filing Date	07/10/2003
TRANSMITTA FORM used for all correspondence after in		First Named Inventor	Xunming Deng
(the used for all correspondence after i	initial filing)	Group Art Unit	2812
PATEMT & TRRES		Examiner Name	Conf. No. 1562
Total Number of Pages in This Submiss	sion 9	Attorney Docket Number	03108/PHYS00303
	ENCL	OSURES (check a	all that apply)
Fee Transmittal Form Fee Attached Amendment / Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53	Drawing Licensin Petition Provisio Power o Change Address Termina Reques	to Convert to a nal Application of Attorney, Revocation of Correspondence	After Allowance Communication to Group Appeal Communication to Board of Appeals and Interferences Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please identify below): return postcard
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Signature Cothum B	Mark	meani	
Date 31 October	2003		
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I hereby certify that this correspondence is being de mail in an envelope addressed to: Commissioner for			
Typed or printed name Sheryl A. O'C	Connor		
Signature	UEX	Date Date	the needs of the individual case. Any comments

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Practiti n r's Do k t N

3108/PHYS00303

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent application	
of	
	Inventor(s)
for	
1	Fitle of invention
the specification of which is being tra	insmitted herewith
	OR
	Group No.: 2812 Examiner: AL Conf. No. 1562 AND INLETS
INFORMATION	DISCLOSURE STATEMENT
(When using Express Mail, th	DER 37 C.F.R. §§ 1.8(a) and 1.10* DER 38 Mail label number is mandatory;
	ail certification is optional.)
hereby certify that, on the date shown below,	
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transmitted by facsimile to the Patent and Toate: 10/31/03	Sheryl A. O'Connor (type or print name of person certifying)
	(Information Disclosure Statement [6-1]—page 1 of)

NOTE: "An information disclosure statement shall be considered by the Office if filed by the applicant within any one of the following time periods: (1) Within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); (2) Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; (3) Before the mailing date of a first Office action on the merits; or (4) Before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114." 37 C.F.R. § 1.97(b). NOTE: "Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section." 37 C.F.R. § 1.56(a). "Individuals associated with the filing or prosecution of a patent application within the meaning of this section are: (1) each inventor named in the application; (2) each attorney or agent who prepares or prosecutes the application; and (3) every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application." 37 C.F.R. § 1.56(c). NOTE: The "duty as described in § 1.56 will be met so long as the information in question was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98 before issuance of the patent." Notice of January 9, 1992, 1135 O.G. 13 -25 at 17. WARNING: "No information disclosure statement may be filed in a provisional application." 37 C.F.R. § 1.51(d). List of Sections Forming Part of This Information Disclosure Statement The following sections are being submitted for this Information Disclosure Statement: (check sections forming a part of this statement: discard unused sections and number pages consecutively) 1. XX Preliminary Statements 2. FORMS PTO/SB/08A and 08B (formerly FORM PTO-1449) 3. Statement as to Information Not Found in Patents or Publications Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted Cumulative Patents or Publications 5. 6. Copies of Listed Information Items Accompanying This Statement 7. Concise Explanation of Non-English Language Listed Information Items 7A.

EPO Search Report 8. Translation(s) of Non-English Language Documents 9. Concise Explanation of English Language Listed Information Items (Optional)

10. 🛛 Identification of Person(s) Making This Information Disclosure Statement (complete the following, if appropriate)

, respectively, have been continued on ADDED PAGE(S).

NOTE: "Once the minimum requirements are met, the examiner has an obligation to consider the information." Notice of April 20, 1992 (1138 O.G. 37-41, 37).

(Information Disclosure Statement [6-1]—page 2 of _______)

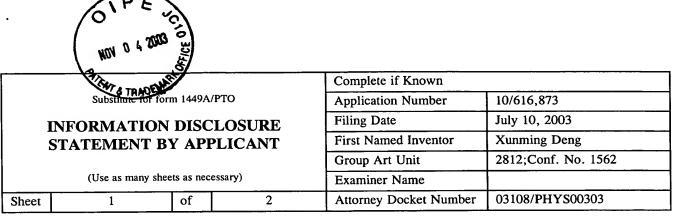
Sections

Se tion 1. Pr liminary statem nts

Applicants submit herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.



Examiner Cite Initials No.		Document Number NumberKind Code (if known)		Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	No.			MM-DD-YYYY		
		US-	5,082,359	01-1992	Kirkpatrick	
		US-	5,397,737	03-14-1995	Mahan et al.	
		US-	5,776,819	07-07-1998	Mahan et al.	
		US-	6,124,186	09-26-2000	Molenbroek et al.	
		US-	6,214,706 B1	04-10-2001	Madan et al.	
• • • • • • • • • • • • • • • • • • • •		US-	6,251,183 B1	06-26-2001	Iwancizko et al.	
		US-	6,427,622	08-2002	Madan et al.	
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FOREIGN PATENT DOCUMENTS						
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Examiner		Date	
Signature		Considered	

page $\frac{4}{8}$ of $\frac{8}{8}$)

	32		S S	Complete if Known		
Substitute for form 1449B/PTO				Application Number	10/616,873	
INFORMATION DISCLOSURE				Filing Date	July 10, 2003	
STATE	STATEMENT BY APPLICANT			First Named Inventor	Xunming Deng	
(Use as n	nany sheets as necessary)			Group Art Unit	2812;Conf. No. 1562	
				Examiner Name		
Sheet	2	of	2	Attorney Docket Number	03108/PHYS00303	

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
		H. Povolny, S. Han, X.B., Xiang and X. Deng/Hot-Wire Deposition of c-Si and a-Si Using Different Gas Excitations By A Coiled Filament/Abstract submitted to 19 th International Conference Amorphous and Microcrystalline Semiconductors Science and Technology (ICAMS19) Acropolis Center, Nice, France, 27-31 August 2001	
		Xunming Deng/Construction of a novel hot-wire deposition system employing a coiled hot filament/Disclosed at "Amorphous Silicon Team Meeting" for NREL/DOE (Nat'l Renewable Energy Laboratory/Dept. of Energy) in August 2000.	
		S. Yu, E. Gulari, and J. Kanicki/Center for Display Technology and Manufacturing, University of Michigan, Ann Arbor, Michigan 48109/Selective deposition of polycrystalline silicon thin films at low temperature by hot-wire chemical vapor deposition/May 1996.	
		Mitsuru Ichikawa, Jun Takeshita, Akira Yamada and Makoto Konagai/Dept. of Electrical and Electronic Engineering, Tokyo, Japan/Jpn. J. Appl. Phys. Vol 38 (1999) pp. L24-L26, Part 2, No. 1A/B, 15 January 1999, ©1999 Publication Board, Japanese Journal of Applied Physics/January 1999.	

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Information Disclosure Statement -- Section 2. FORM 1449A/PTO (PTO/SB/08A) page 5

page **5** of **8**)

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Section 4. Id ntificati n of Prior Applicati n in Which List d Inf rmati n Was Alr ady Cited and for Which N C pi s Are Submitt d r N d B Submitted

NOTE: "A copy of any patent, publication, pending U.S. application or other information, as specified in paragraph (a) of this section, listed in an information disclosure statement is required to be provided, even if the patent, publication, pending U.S. application or other information was previously submitted to, or cited by, the Office in an earlier application, unless:

- (1) The earlier application is properly identified in the information disclosure statement and is relied on for an earlier effective filing date under 35 U.S.C. 120; and
- (2) The information disclosure statement submitted in the earlier application complies with paragraphs (a) through (c) of this section." 37 C.F.R. § 1.98(d).
- WARNING: "This exception to the requirement for copies of information does not apply to information which was cited in an international application under the Patent Cooperation Treaty." Notice of April 20, 1992 (1138 O.G. 37-41, 38).
- WARNING: "Information which is cited or submitted to the Office in the parent application of a file wrapper continuing application under 37 C.F.R. § 1.62 will be part of the file before the examiner and need not be resubmitted in the continuing application. Likewise, the examiner will consider information cited or submitted to the Office in a parent application when examining a continuing application and thus this information need not be resubmitted unless applicant desires the information to be printed on the patent." Notice of April 20, 1992 (1138 O.G. 37-41, 37).
- WARNING: While a copy of a non-English language item of information need not be submitted, if it was previously submitted to, or cited by, the Office in a prior application, provided it is properly identified in this statement and this application relies on that earlier filing date under 35 U.S.C. 120, nevertheless, the requirement in § 1.98(a)(3) for a concise explanation of non-English language information would not be satisfied by a statement that a reference was cited in the prosecution of a parent application. The concise explanation must explain the relevance, as presently understood by the person designated in § 1.56(c) most knowledgeable about the content of the information. Notice of January 9, 1992, 1135 O.G. 13-25, at 20.

This application relies, under 35 U.S.C. § 120, on the earlier filing of SN.: 0 10/205,481 , filed on _7/25/2002	date of prior application $_{-}$ (date).
(complete the following, if applicable)	
☐ This application also relies, under 35 U.S.C. 120, on the e application SN:: 0 / , filed on	earlier filing date of prior (date).
The following references were submitted to, and/or cited by, application(s) and, therefore, are not required to be provided in the	the Office in the prior is application:

All references listed in Section 2.

(Information Disclosure Statement — Section 4. Identification of Prior Application in Which Listed Information Was Already Submitted and for Which No Copies Are Submitted or Need Be Submitted [6-1]—page _____ of _____)

S cti n 6. C pi s of List d Inf rmation It ms Acc mpanying This Statement

NOTE: 37 C.F.R. § 1.98(a)(2) requires that any information disclosure statement filed under § 1.97 shall include: "A legible copy of:

- (i) Each U.S. patent application publication and U.S. and foreign patent;
- (ii) Each publication or that portion which caused it to be listed;
- (iii) For each cited pending U.S. application, the application specification including the claims, and any drawing of the application, or that portion of the application which caused it to be listed including any claims directed to that portion. . ."

Legible copies of all items listed in Forms PTO/SB/08A and 08B (formerly Form PTO-1449) accompany this information statement.

(complete the following, if applicable)

X	Exception(s)	to	above
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- Items in prior application, from which an earlier filing date is claimed for this application, as identified in Section 4.
- ☐ Cumulative patents or publications identified in Section 5.

S ction 10. Identificati n f P rson(s) Making This Inf rmati n Dis I sur Stat m nt

The perso	on m	aking this statement is	
		(check each	n applicable item)
(a)		the inventor(s) who signs t	pelow
	•		SIGNATURE OF INVENTOR
			(type name of inventor who is signing)
(b)		an individual associated wit cution of this application (3	
		cution of this application (57 C.F.H. 9 1.90(C))
		•	SIGNATURE OF INVENTOR
			(type name of inventor who is signing)
(c)	X	the practitioner who signs to the information:	pelow on the basis of
		(check each	applicable item)
		xx supplied by the in	ventor(s).
		Supplied by an individual of this application.	vidual associated with the filing and prosecution (37 C.F.R. § 1.56(c))
		IX in the practitioner's	
			Catherine B. Marynean
Reg. No.:	21	. OE 4	SIGNATURE OF PRACTITIONER
			Catherine B. Martineau (type or print name of practitioner)
Tel. No.: (¿	419)	243-1294	
Customer N	Vo.:	20879	P.O. Box 916 P.O. Address
			Toledo, Ohio 43697-0916

(Information Disclosure Statement—Section 10. Identification of Person(s) Making This Information Disclosure Statement [6-1]—page ______ of _____)